

1.2 Historical Groundwater Monitoring Events

Groundwater information at the Site (Figure 2) comes from three primary sources:

- Groundwater monitoring wells installed at the Site by BRC and its predecessors (prefixes include WCC and TMW);
- Groundwater monitoring wells installed on the Site by International Light Metals (ILM) for investigations at ILM (prefixes DAC and BL); and
- Groundwater monitoring wells installed on the Site by Montrose Chemical Corporation (Montrose) for investigations at Montrose (prefix XMW).

Groundwater investigations started in early 1987 with the installation of one groundwater monitoring well. A total of 43 groundwater monitoring wells have been installed at the Site for groundwater investigations since 1987. Ten of these groundwater monitoring wells have been abandoned as a result of redevelopment activities. Montrose drilled five additional groundwater monitoring wells on the Site, two of which have been abandoned. Groundwater monitoring wells known or assumed to currently exist on the Site are shown on Figure 2. There are a total of 33 groundwater monitoring wells that are currently on site.

Approximately 37 groundwater monitoring events have taken place at the Site. Typically, all of the groundwater monitoring wells were sampled during each groundwater monitoring event, which was performed quarterly until 1997. In 2000, the groundwater monitoring program was modified to consist of two events per year (Kennedy Jenks Consultants, 2000b).

The most recent groundwater monitoring data were collected in July 2001 and the associated report (Haley & Aldrich, Inc./England Geosystem, 2001) describes a typical monitoring event for the Site:

- Thirty-two project groundwater monitoring wells were gauged, purged and sampled.
- Water samples were analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260B, Title 22 Metals by EPA Method 6010 and Chromium VI by EPA Method 7196.
- Quality Assurance/Quality Control samples (duplicate samples, trip blanks, and equipment blanks [one per day]) were collected and analyzed.

The following sections present the proposed 2002 groundwater monitoring program.